

We claim:

1 1. An antenna assembly for a motor vehicle having a
2 vehicle body and a member provided on said body with an antenna
3 conductor structure, said antenna assembly comprising:

4 a housing containing an antenna signal processor unit
5 including a printed circuit board;

6 a carrier mounted on or in said housing; and

7 a contact element on said carrier engaging said printed
8 circuit board and adapted to contact a conductive portion of said
9 structure upon mounting of said housing on said body.

1 2. The antenna assembly defined in claim 1 wherein
2 said member is a window of the motor vehicle and said housing is
3 mounted on said body of the vehicle adjacent an edge of said
4 window.

1 3. The antenna assembly defined in claim 2 wherein
2 said housing overhangs said edge.

1 4. The antenna assembly defined in claim 3 wherein
2 said element has an upper part and a lower part movable toward
3 and away from one another and under a prestress, one of said
4 parts bearing upon said printed circuit board and the other of
5 said parts bearing upon said conductive portion.

1 5. The antenna assembly defined in claim 4 wherein
2 said upper part has a continuous electrically conductive
3 connection over its length with said lower part whereby said
4 printed circuit board is in constant electrical connection with
5 said structure.

1 6. The antenna assembly defined in claim 5 wherein
2 each of said upper and lower parts has respective arms guided in
3 guide rails, said arms having hooks at ends thereof engageable
4 with said rails for limiting outward displacement of said upper
5 and lower parts with respect to one another.

1 7. The antenna assembly defined in claim 5 wherein the
2 continuous connection is formed by a conductive plastic strip, a
3 braid or a flat cable.

1 8. The antenna assembly defined in claim 4 wherein
2 said prestress is produced by a coil spring braced between said
3 upper and lower parts.

1 9. The antenna assembly defined in claim 1 wherein
2 said support and at least a portion of said parts is injection
3 molded from synthetic resin.

1 10. The antenna assembly defined in claim 1 wherein
2 said upper and lower parts are identical.

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